

the input of said mixer and flowingly connected to control the flow rate mixer input.

5. (Twice Amended) The apparatus of Claim [1] 34, where an output flight is flowingly connected to [a downstream flight] at least one of the blocking walls of [said mixer] the mixing section.

7. (Amended) The apparatus of Claim [1] 34, wherein the dimensions of said [first] upstream and [subsequent] said downstream channels are substantially the same as each other.

8. (Amended) The apparatus of Claim [1] 34, wherein [said] the extruder screw further comprises a mounting directed in a direction wherein said extruder screw is substantially vertically oriented.

9. (Amended) The apparatus of Claim [1] 34, wherein the dimensions of said [first] upstream and [subsequent] said downstream channels are different from each other.

10. (Amended) The apparatus of Claim [1] 34, wherein the dimensions of said [first] upstream and [subsequent] said downstream cross-axial pumps are the same.

11. (Amended) The apparatus of Claim [1] 34, wherein the dimensions of said [first] upstream and [subsequent] said downstream cross-axial pumps are different from each other.

12. (Amended) The apparatus of Claim [1] 34, wherein said channels are oriented substantially parallel to the screw axis.

13. (Amended) The apparatus of Claim [1] 34, wherein [said] the channels are oriented at an angle to the screw axis.

14. (Amended) The apparatus of Claim [1] 34, wherein at least some of the channels are [unconnected] free of connection to said inlet channel [and are bounded by a flight on one side].

16. (Amended) The apparatus of Claim [1] 34, wherein [said] the mixer includes a controller for controlling said feed so that said mixer is not starve fed.

17. (Twice Amended) The apparatus of Claim [1] 34, where resistance devices are provided on said screw to force [said] the plastic material into [said] the output.

18. (Amended) The apparatus of Claim [1] 34, wherein there are multiple inlet channels.

19. (Twice Amended) The apparatus of Claim [1] 34, wherein there are multiple flowingly connected inlet flights.

20. (Twice Amended) The apparatus of Claim [1] 34, wherein there are multiple flowingly connected outlet flights.

Kindly add new Claim 34 and 35 as follows:

34. (New) An extruder mixer for plastified flowable materials comprising:
an elongated rotatable screw;
the screw having a mixing section adapted to mix materials with each other,
the mixing section of the screw having a substantially axially disposed upstream inlet channel,

the inlet channel being flowingly directed in a downstream direction,
said inlet channel being bounded on one side by a substantially axially disposed blocking wall,

the inlet channel being flowingly connected to a substantially axially disposed first cross-axial pump and flowingly connected to a non-adjacent downstream channel, wherein the flowing connection between the inlet channel and the non-adjacent downstream channel is a direct connection free of a flowing connection to the first cross-axial pump;

the first cross-axial pump being flowingly connected to a first downstream channel,
the first downstream channel being bounded by a blocking wall on an upstream side of the first downstream channel,

the first downstream channel being flowingly connected to a second cross-axial pump,